

DRAFT

Technical Safety Data Sheet

Equipment Name: Large Parts Washer

Manufacturer: Better Engineering Manufacturing, Inc.

Address

8361 Town Center Court
Baltimore, MD 21236-4964

Telephone Number: (410) 931-000

Fax Number: (410) 931-0053

Date Prepared: November 27, 1997



Equipment Description: This equipment is used to clean aircraft wheels and metallic engine parts, using an aqueous solution (detergent (NAT-50MS) and water) at operating temperatures between 140⁰ and 180⁰F. The metallic parts are placed on a rotating platform and sprayed with the aqueous solution. The force of the spray jets, in combination with the heat and the chemical action of the detergent, removes contaminants from the parts. Local exhaust ventilation is provided to vent resulting steam. The equipment is equipped with an oil/water separator.

Precautions for Safe Handling and Use:

DO NOT USE PETROLEUM-BASED CHEMICALS OR SOLVENTS, OR ANY OTHER FLAMMABLE PRODUCTS IN THIS EQUIPMENT.

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Be cautious near hot surfaces on equipment, such as the circulation filter and holding tank access lid. Apply warning labels where needed.

This equipment must be shutoff using the regular controls because it is not equipped with an emergency shutoff, and.

Use rubber matting or non-skid surface in operating area to prevent slipping on cleaning solution that is spilled during removal of cleaned parts.

Wait at least 5 minutes before opening access door to prevent scalding from hot steam. Do not open the access door immediately after cycle completion.

Place a container on the deck to collect oil resulting from oil-water separation. Check container level before operating equipment to prevent overflowing. If container extends into operating area or foot traffic area, mark with yellow tape or warning sign to prevent tripping.

Wear personal protective equipment during equipment operation. See Control Measures section for description.

This equipment uses high voltage (240 v). All electrical installation/maintenance work must be performed by a qualified electrician.

This equipment contains capacitors and may pose an electrical shock hazard after equipment has been deenergized. Capacitors must be discharged before commencing equipment maintenance or repair.

Operate equipment in accordance with manufacturer's instructions.

1. Manual Supplement
2. Owners Manual for the "Purifier" Series of Jet Washers
3. User's Logistics Support Summary (ULSS) NAWCADLKE-U70095006

Health Hazard Data

Chemical Hazard (NAT-50MS Aqueous Cleaning Solution):

Primary Routes of Exposure: Eyes, Skin, Oral and Inhalation.

Signs and Symptoms of Overexposure (Acute): Skin and Eye irritation.

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Eyes: In case of contact with eyes, flush with water for 20-30 minutes. Consult a physician immediately.

Skin: Flush affected area with water for 20-30 minutes.

Ingestion: If large quantities are swallowed, drink lukewarm water (never give anything to an unconscious person). **Do not induce vomiting.** Seek medical attention immediately.

Inhalation: If overcome by exposure, remove victim to fresh air. Give oxygen or artificial respiration if needed. Seek medical attention immediately.

For additional, detailed information on NAT-50MS Aqueous Cleaning Solution, see Material Safety Data Sheet (MSDS).

Physical Hazard: Hot surfaces on equipment, such as the circulation filter and holding tank access lid. If the access door is open immediately after cycle completion, the equipment can emit hot steam.

Biological Hazard: None observed

Ergonomic Hazard: None observed

Control Measures

Respiratory Protection: Not needed under normal conditions of use. If industrial hygienist determines that Threshold Limit Value will be exceeded for NAT-50MS Aqueous Cleaning Solution, or for symptoms of overexposure described in the NAT-50MS MSDS, wear a NIOSH-approved dust/mist respirator.

Ventilation Requirements: Provide local exhaust ventilation

Eye Protection: Wear chemical protective goggles while pouring detergent into washer.

Protective Gloves: Wear neoprene/natural latex gloves while pouring detergent into washer and removing parts from washer.

Protective Clothing: Wear cloth coveralls.

Posting Requirements: Personal Protective Equipment requirements should be posted in the equipment operating area.